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3627

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Applicant(s):	John ALMEIDA	§	Anticipated
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		§	
		§	
		§	

RESPONSE TO OFFICE ACTION

Mail Stop Patent Application

Date: August 08, 2006

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

The Examiner is respectfully requested to enter the following response prior to the calculation of fees and the initial examination of the present above-identified patent application. **This document replaces the response that was mailed on July 22, 2006 in its entirety including the amendments to the claims and amendments to the specification. Two new claims have been added with this response as well.**

Amendments to the Claims are reflected in the listing of claims, which begins on page 3 of this paper.

Remarks/Arguments begin on page 36 of this paper.

1-189 (cancelled)

190 (currently amended) A virtual network comprising:

at least a first computer having a first software element embedded on at least one tangible media on said [a] first computer, said [a] first software element hosting at least [one] a first content;

a second software element embedded on at least one tangible media and said [a] second software element hosting at least [one] a second content; [and]

a third software element embedded on at least one tangible media, said [a] third software element having virtual hosting means to virtually hosting host said at least [one] first content hosted by said [a] first software element and said at least [one] second content hosted by said [a] second software element[.]; and

said at least first content and said at least second content are not associated with a hosting means of said third software element.

191 (currently amended) The virtual network according to claim 190 further comprising:

said [a] third software element having means to create a content page for viewing with a uniform appearance having said at least [one] first content hosted by said

[a] first software element and said at least [one] second content hosted by said [a] second software element.

192 (currently amended) The virtual network according to claim 190 further comprising:

said [a] second software element virtually hosting said at least [one] first content hosted by said [a] first software element [.];

said first content is not associated with a hosting means of said second software element; and

said second software element having means to create a content page for viewing with a uniform appearance, said content page having said at least first content hosted by said first software element and said at least second content hosted by said second software element.

193 - (canceled)

194 (currently amended) The virtual network according to claim 190 further comprising:

said [a] third software element hosting at least [one] a third content[.]; and

said third software element having means to create a content page for viewing with a uniform appearance, said content page having said at least third content hosted by said third software element, said at least first content hosted by said first software element and said at least second content hosted by said second software element.

195 (currently amended) The virtual network according to claim 190 further comprising:

said third software element hosting at least a third content:

said [a] first software element having means to manage said at least [one] first content hosted by said [a] first software element, said [a] second software element having means to manage said at least [one] second content hosted by said [a] second software element and said [a] third software element having means to manage said at least [one] third content hosted by said [a] third software element wherein said means to manage includes one of: edit, update, change, and delete.

196 – 198 (cancelled)

199 (currently amended) The virtual network according to claim 190 further comprising:

said [a] first software element having means to create a content page for viewing ~~with a uniform appearance~~ and said content page having said at least [one] first content hosted by said [a] first software element.

200 (currently amended) The virtual network according to claim 190 further comprising:

said second software element having means to create a content page for viewing ~~with a uniform appearance~~ and said content page having said at least [one] second content hosted by said [a] second software element.

201 (currently amended) The virtual network according to claim 190 further comprising:

a forth software element embedded on at least one tangible media and said [a] forth software element hosting at least [one] a third content; [and]

a fifth software element embedded on at least one tangible media and said [a] fifth software element virtually hosting said at least [one] third content hosted by said [a] forth software element[.] and said at least first content hosted by said first software element;

said third content and said first content are not associated with a host means of said fifth software element; and

said fifth software element having means to create a content page for viewing
and said content page having said at least third content hosted by said forth
software element and said at least first content hosted by said first software
element.

202 - 205 (cancelled)

206. (withdrawn) A virtual network comprising:

at least a first computer having a first software element embedded on at least one
tangible media on said a first computer, said a first software element hosting at
least one content;

a second software element embedded on at least one tangible media and said a
second software element hosting at least one content;

a third software element embedded on at least one tangible media and said a third
software element having means to register at least one user;

a forth software element embedded on at least one tangible media and said a
forth software element having means for a registered end user to login;

a fifth software element embedded on at least one tangible media and said a fifth software element having means for creating a history log of visited contents for a logged in user;

a end user at a client computer accesses said virtual network and register with said third software element;

said registered end user accesses said virtual network and logs in with said forth software element;

said logged in end user accesses said at least one content hosted by said a first software element;

said logged in end user accesses said at least one content hosted by said a second software element; and

said a fifth software element creates a history log for said logged in end user and said history log contains at least a link of said at least one content hosted by said a first software element and at least a link of said at least one content hosted by said a second software element.

207. (withdrawn) A virtual network comprising:
- a first computer hosting a plurality of contents;

a second computer hosting a plurality of contents;

a end user at a client computer accesses said a first computer and initiates a request for a content from said a first computer;

said first computer receives said request and passes said request to said a second computer;

said a second computer receives said request from said a first computer and returns at least one content to said a first computer and said at least one content returned to said a first computer is relevant to said request that was initiated by said end user at said client computer;

said a first computer receives said at least one content from said a second computer;

said a first computer retrieves at least one content of said plurality of contents hosted by said a first computer and said retrieved at least one content is relevant to said request that was initiated by said end user at said client computer;

said a first computer returns said at least one content that was received from said a second computer and said at least one content that was retrieved by said a first

computer from said plurality of contents hosted by said a first computer to said client computer; and

said client computer having means to display both of said contents received from said a first computer to said end user at said client computer.

208. (withdrawn) A virtual network comprising:

a first computer hosting at least one content;

a second computer comprising:

hosting a plurality of contents; and

said a second computer having a plurality of objects of said at least one content hosted by said a first computer embedded in at least one tangible media;

at least one object of said plurality of objects embedded in at least one tangible media at said a second computer having a relationship with at least one object of said at least one content of said plurality of contents hosted by said a second computer;

at least one end user at a client computer accesses said a first computer and initiates a request for said at least one content hosted by said a first computer;

said client computer having means to receive said at least one content from said a first computer;

said at least one content received by said client computer from said a first computer having a plurality of objects;

at least one object of said plurality of objects of said at least one content received from said a first computer by said client computer having at least one identification means to identify said plurality of objects embedded in at least one tangible media at said a second computer;

once said at least one object of said plurality of objects of said at least one content received from said a first computer by said client computer and having said at least one identification means is processed by said client computer it will enable said client computer to initiate a communication link with said a second computer and pass said at least one identification means of said at least one object of said plurality of objects of said at least one content received from said a first computer by said client computer to said a second computer;

said second computer having means to receive said at least one identification means from said client computer;

said second computer uses said at least one identification means received from said client computer and identify said plurality of objects embedded in at least one tangible media at said second computer;

said second computer processes said plurality of objects embedded in at least one tangible media that has been identified by said identification means received from said client computer and retrieves at least one content from said plurality of contents and said at least one content that has been retrieved has a relationship with at least one object of said plurality of objects;

said a second computer returns at least a representation of said at least one content to said client computer; and

said client computer having means to receive and display said representation of said at least one content received from said a second computer along with said content received by said client computer from said a first computer.

209. (withdrawn) The relationship according to claim 208 wherein said relationship is in a class including one of: a similar word, a non-displayable object, a emphasized word, a word related to a class of subject matter, a word related to a category of subject matter, a html object, and a matching word.

210. (withdrawn) The representation according to claim 208 wherein said representation is in a class including one of: a link pointing to said at least one content of said plurality of contents, a portion of said at least one content of said plurality of contents, a description of said at least one content of said plurality of contents, said at least one content of said plurality of contents in its completeness, a html object representing said at least one content of said plurality of contents, and a image representing said at least one content of said plurality of contents.

211. (withdrawn) A virtual network comprising:
at least a first computer having a first software element embedded on at least one tangible media on said a first computer, said a first software element hosting at least one content and said at least one content having a plurality of objects;

a plurality of contents embedded in at least one tangible media at said virtual network;

at least one object of said plurality of objects of said at least one content hosted by said a first software element having a relationship with at least one object of at least one content of said plurality of contents embedded in at least one tangible media at said virtual network;

at least one end user at a client computer initiates a request for said at least one content hosted by said a first software element;

said virtual network having means to process said plurality of objects of said at least one content hosted by said a first software element;

said virtual network uses said means to process said plurality of objects from said at least one content hosted by said a first software element and process said plurality of objects from said at least one content hosted by said a first software element;

said virtual network uses said at least one object of said plurality of objects of said at least one content hosted by said a first software element and having a relationship with said at least one object of said at least one content of said plurality of contents embedded in at least one tangible media at said virtual network as a guiding means for fetching a representation of said at least one content of said plurality of contents embedded in at least one tangible media at said virtual network;

said virtual network having means to transmit said at least one content hosted by said a first software element and said representation of said at least one content of said plurality of contents embedded in at least one tangible media at said

virtual network that was retrieved by said virtual network to said client computer;
and

said client computer having means to receive and display said at least one content
hosted by said a first software element and said at least one content of said
plurality of contents received from said virtual network.

212. (withdrawn) The relationship according to claim 211 wherein said relationship is
in a class including one of: a similar word, a non-displayable object, a
emphasized word, a word related to a class of subject matter, a word related to a
category of subject matter, a html object, and a matching word.

213. (withdrawn) The representation according to claim 211 wherein said
representation is in a class including one of: a link pointing to said at least one
content of said plurality of contents, a portion of said at least one content of said
plurality of contents, a description of said at least one content of said plurality of
contents, said at least one content of said plurality of contents in its
completeness, a html object representing said at least one content of said plurality
of contents, and a image representing said at least one content of said plurality of
contents.

214. (withdrawn) A virtual network comprising:
a plurality of contents hosted by said virtual network;

said plurality of contents are organized in a manner to enable said virtual network to correlate each content of said plurality of contents with end users profiling data and end users preferences;

said virtual network having means to register end users and store said end users registration information as end users profiling and login data;

said virtual network having means for registered end users to supply at least one preconfigured preference to said virtual network;

at least one end user registers with said virtual network;

said at least one registered end user supplies at least one preconfigured preference element and at least one profiling element;

said at least one end user registered with said virtual network at a client computer logs in with said virtual network;

said virtual network uses said at least one preconfigured preference element and said at least one profiling element from said logged in end user at said client computer and searches said plurality of contents and retrieves at least one content that is related with said at least one preconfigured preference element and said at

least one profiling element from said at least one end user logged in with said virtual network;

said virtual network having means to transmit to said client computer said retrieved at least one content of said plurality of contents which has a correlation with said at least one preconfigured preference element and said at least one profiling element from said at least one end user at said client computer; and

said client computer having means to receive and display said at least one content to said at least one end user at said client computer.

215. (withdrawn) The preconfigured preference according to claim 214 wherein said preconfigured preference is said end user area of interest.
216. (withdrawn) The profiling according to claim 214 wherein said end user profiling is said end user registration information.
217. (withdrawn) The end user registration information according to claim 216 wherein said end user registration information is in a class including one of: address, city, state, country, zip code, region, sex gender, marital status, income, and objects related to said end user previously visited content pages.
218. (withdrawn) A virtual network comprising:

an arrangement where a user at client computer initiates a request for a content from a first computer;

said a first computer passes said request for said content received from said client computer to a second computer;

said a second computer passes said request for said content received from said a first computer to a third computer;

said a third computer hosting at least one content, said at least one content is relevant to said request initiated by said user at said client computer, and said third computer returns said at least one content to said a second computer;

said a second computer receives said at least one content from said a third computer and returns said at least one content to said a first computer;

said a first computer receives said at least one content from said a second computer and returns said at least one content to said a client computer; and

said a client computer having means to receive and display said at least one content received from said a first computer to said end user.

219 -232 (canceled)

233. (new) The virtual network according to claim 190 further comprising:
said first software element virtually hosting said at least second content hosted by
said second software element;

said second content is not associated with a hosting means of said first software
element; and

said first software element having means to create a content page for viewing with
a uniform appearance having said at least first content hosted by said first software
element and said second content hosted by said second software element.
234. (new) The virtual network according to claim 190 further comprising:
said first software element, said second software element and said third software
element each having a distinct interface appearance.
235. (new) The virtual network according to claim 190 further comprising:
said first content hosted by said first software element and said second content
hosted by said second software element each belonging to the same content
category.
236. (new) The virtual network according to claim 190 further comprising:

said first content hosted by said first software element and said second content hosted by said second software element each belonging to a distinct content category.

237. (new) The virtual network according to claim 190 further comprising:
at least one database table and said at least one database table having at least one column and at least two rows;

a first identification means representing said at least first content hosted by said first software element is stored in at least one row of said at least two rows intersecting said at least one column of said database table; and

a second identification means representing said at least second content hosted by said second software element is stored in at least one additional row of said at least two rows intersecting said at least one column of said database table.
238. (new) The virtual network according to claim 237 wherein said third software element uses said two identification means stored at said at least two rows intersecting said at least one column of said at least one database table as the virtual hosting means for creating a content page for viewing, said content page having said at least first content hosted by said first software element and said at least second content hosted by said second software element.

239. (new) The virtual network according to claim 190 further comprising:
said at least first content hosted by said first software element having at least a first word; and

said at least second content hosted by said second software element having at least a second word.
240. (new) The virtual network according to claim 239 further comprising:
said at least first word having a relationship with said at least second word wherein said relationship is at least a partial match between said at least first word and said at least second word.
241. (new) The virtual network according to claim 240 wherein said third software element having means to create a content page for viewing and said content page having said at least first word and said at least second word.
242. (new) The virtual network according to claim 240 further comprising:
a display means;

said third software element having means to display a content page on said display means and said content page having said at least first word and said at least second word.

243. (new) The virtual network according to claim 239 further comprising:
said at least first word having a relationship with said at least second word and said relationship is a synonymous meaning between said at least first word and said at least second word.
244. (new) The virtual network according to claim 243 wherein said third software element having means to create a content page and said content page having said at least first word and said at least second word.
245. (new) The virtual network according to claim 243 further comprising:
a display means;

said third software element having means to display a content page on said display means and said content page having said at least first word and said at least second word.
246. (new) The virtual network according to claim 239 further comprising:
said at least first word having a relationship with said at least second word and said relationship is a exactly match between said at least first word and said at least second word.

247. (new) The virtual network according to claim 246 wherein said third software element having means to create a content page and said content page having said at least first word and said at least second word.

248. (new) The virtual network according to claim 246 further comprising:
a display means;

said third software element having means to display a content page on said display means and said content page having said at least first word and said at least second word.

249. (new) The virtual network according to claim 239 further comprising:
at least a first database table and said at least first database table having at least one column and at least one row;

said at least first word of said at least first content hosted by said first software element is stored at said at least one column intersecting said at least one row of said at least first database table;

at least a second database table and said at least second database table having at least one column and at least one row; and

said at least second word of said at least second content hosted by said second software element is stored at said at least one column intersecting said at least one row of said at least second database table.

250. (new) The virtual network according to claim 249 further comprising:
said at least first database table and said at least second database table are related.

251. (new) The virtual network according to claim 249 further comprising:
said third software element having means to create a content page having said at least first content hosted by said first software element and said at least second content hosted by said second software element.

252. (new) The virtual network according to claim 249 further comprising:
a display means; and

said third software element having means to display a content page on said display means and said content page having said at least first content hosted by said first software element and said at least second content hosted by said second software element.

253. (new) The virtual network according to claim 252 further comprising:

said at least first word having a relationship with said at least second word wherein said relationship is at least a partial match between said at least first word and said at least second word.

- 254 (new) The virtual network according to claim 253 further comprising:
said at least first content hosted by said first software element having at least one link pointing to the hosting location of said at least first content.
- 255 (new) The virtual network according to claim 253 further comprising:
said at least second content hosted by said second software element having at least one link pointing to the hosting location of said at least second content.
- 256 (new) The virtual network according to claim 252 further comprising:
said at least first word having a relationship with said at least second word wherein said relationship is a exactly match between said at least first word and said at least second word.
- 257 (new) The virtual network according to claim 256 further comprising:
said at least first content hosted by said first software element having at least one link pointing to the hosting location of said at least first content.
- 258 (new) The virtual network according to claim 256 further comprising:

said at least second content hosted by said second software element having at least one link pointing to the hosting location of said at least second content.

259 (new) The virtual network according to claim 252 further comprising:
said at least first word having a relationship with said at least second word wherein said relationship is a synonymous means between said at least first word and said at least second word.

260 (new) The virtual network according to claim 259 further comprising:
said at least first content hosted by said first software element having at least one link pointing to the hosting location of said at least first content.

261 (new) The virtual network according to claim 259 further comprising:
said at least second content hosted by said second software element having at least one link pointing to the hosting location of said at least second content.

262 (new) The virtual network according to claim 190 further comprising:
said at least first content hosted by said first software element having at least a first reference at a first form element;

said at least second content hosted by said second software element having at least a second reference at a second form element; and

said at least first reference on said first form element having a relationship with
said at least second reference on said second form element wherein said
relationship is at least a partial match between said at least first reference and
said at least second reference.

263 (new) The virtual network according to claim 190 further comprising:

said third software element having means to create a content page; and

said content page having at least one link pointing to the hosting location of said
first content and said content page further having said at least second content
hosted by said second software element.

264 (new) The virtual network according to claim 190 further comprising:

said third software element having means to create a content page; and

said content page having at least one link pointing to the hosting location of said
second content and said content page further having said at least first content
hosted by said first software element.

265 (new) The virtual network according to claim 190 further comprising:

a forth software element embedded on at least one tangible media and said forth
software element hosting at least a third content;

a fifth software element embedded on at least one tangible media and said fifth software element virtually hosting said at least third content hosted by said forth software element and said at least second content hosted by said second software element;

said third content and said second content are not associated with a host means of said fifth software element; and

said fifth software element further having means to create a content page and said content page having said at least second content hosted by said second software element and said at least third content hosted by said forth software element.

266 (new) The virtual network according to claim 190 further comprising:

a forth software element embedded on at least one tangible media and said forth software element virtually hosting said at least first content hosted by said first software element and said at least second content hosted by said second software element;

said at least first content and said at least second content are not associated with a hosting means of said forth software element; and

said forth software element further having means to create a content page and
said content page having said at least first content hosted by said first software
element and said at least second content hosted by said second software element.

267 (new) The virtual network according to claim 190 further comprising:

said third software element hosting at least a third content.

268 (new) The virtual network according to claim 267 further comprising:

said first software element virtually hosting said at least third content hosted by
said third software element;

said third content is not associated with a hosting means of said first software
element; and

said first software element having means to create a content page for viewing
with a uniform appearance having said at least third content hosted by said third
software element and said at least first content hosted by said first software
element.

269 (new) The virtual network according to claim 267 further comprising:

said second software element virtually hosting said at least third content hosted
by said third software element;

said third content is not associated with a hosting means of said second software element; and

said second software element having means to create a content page for viewing with a uniform appearance having said at least third content hosted by said third software element and said at least second content hosted by said second software element.

270 (new) A virtual network comprising:

a display means;

at least a first computer having a first software element embedded on at least one tangible media on said first computer, said first software element hosting at least a first content;

a second software element embedded on at least one tangible media and said second software element hosting at least a second content;

a third software element embedded on at least one tangible media, said third software element having means to request and receive said at least first content hosted by said first software element and means to request and receive said at least second content hosted by said second software element; and

said third software element further having means to display a content page on said display means and said content page having said at least first content received from said first software element and said at least second content received from said second software element.

271 (new) The virtual network according to claim 270 further comprising:
said at least first content hosted by said first software element having at least a first word;

said at least second content hosted by said second software element having at least a second word; and

said at least first word having a relationship with said at least second word wherein said relationship is at least a partial match between said at least first word and said at least second word.

272 (new) The virtual network according to claim 271 further comprising:
said at least first content hosted by said first software element further having at least one link pointing to the hosting location of said at least first content.

273 (new) The virtual network according to claim 271 further comprising:
said at least second content hosted by said second software element further having at least one link pointing to the hosting location of said at least second content.

274 (new) The virtual network according to claim 270 further comprising:
said at least first content hosted by said first software element having at least a first word;

said at least second content hosted by said second software element having at least a second word; and

said at least first word having a relationship with said at least second word wherein said relationship is an exactly match between said at least first word and said at least second word.

275 (new) The virtual network according to claim 274 further comprising:
said at least first content hosted by said first software element further having at least one link pointing to the hosting location of said at least first content.

276 (new) The virtual network according to claim 274 further comprising:
said at least second content hosted by said second software element further having at least one link pointing to the hosting location of said at least second content.

277 (new) The virtual network according to claim 270 further comprising:
said at least first content hosted by said first software element having at least a first word;

said at least second content hosted by said second software element having at least a second word; and

said at least first word having a relationship with said at least second word wherein said relationship is a synonymous meaning between said at least first word and said at least second word.

- 278 (new) The virtual network according to claim 277 further comprising:
said at least first content hosted by said first software element further having at least one link pointing to the hosting location of said at least first content.
- 279 (new) The virtual network according to claim 277 further comprising:
said at least second content hosted by said second software element further having at least one link pointing to the hosting location of said at least second content.
- 280 (new) The virtual network according to claim 270 further comprising:
said at least first content hosted by said first software element having at least a first reference on a first form element;

said at least second content hosted by said second software element having at least a second reference on a second form element; and

said at least first reference on said first form element having a relationship with
said at least second reference on said second form element wherein said
relationship is a at least a partial match between said at least first reference and
said at least second reference.

- 281 (new) The virtual network according to claim 280 further comprising:
said at least first content hosted by said first software element further having at
least one link pointing to the hosting location of said at least first content.
- 282 (new) The virtual network according to claim 280 further comprising:
said at least second content hosted by said second software element further having
at least one link pointing to the hosting location of said at least second content.
- 283 (new) The virtual network comprising:
at least a first computer having a first software element embedded on at least one
tangible media on said first computer, said first software element hosting at least
a first content;

a second software element embedded on at least one tangible media and said
second software element hosting at least a second content;

said second software element having means to create a content page and said
content page having said at least second content hosted by said second software

element and at least a link pointing to the hosting location of said at least first content hosted by said first software element; and

said first software element having means to create a content page and said content page having said at least first content hosted by said first software element and at least a link pointing to the hosting location of said at least second content hosted by said second software element.

- 284 (new) The virtual network according to claim 283 further comprising:
said first software element and said second software element each having a distinct user interface wherein said distinct user interface is at least a distinct background.

REMARKS/ARGUMENTS

In response to Office Action mailed on June 02, 2006. Applicant has cancelled independent claim 176 and all its dependent claims, and independent claim 205 and all of its dependent claims as well.

Independent claim 190 has been amended to recite two distinct content, “a first content” hosted by the **first software element** and “a second content” hosted by the **second software element**.

Also, claim 190 has been amended to state that the two distinct content virtually hosted by the third software element are not associated with the third software element’s hosting means.

These amendments will distinguish the applicant’s invention from the prior art (Nahan et al – US patent # 5,999,915) since Nahan shows the first, second and third software elements, each having the same duplicated contents hosted by one another.

All subsequent dependent claims have been amended and the words “a” has been cancelled as suggested by the examiner.

As to forth and fifth software elements please find support on fig. 15. Since fig. 15 is a further embodiment of fig. 11. Fig. 15 shows the same arrangement of fig. 11 used over a

network and over the Internet. Although fig. 15 does not show all the elements of fig. 11 and it is done as is for sake of simplicity and not intended to limit the applicant's invention. Furthermore, anyone skilled in the art will be able to use the teaching of the arrangement of fig. 11 and implement its functionality on fig. 15.

New claims have been added and they are dependent claims 233-269 and dependent upon independent claim 190. Also, new independent claim 270 and dependent claims 217-282 and they are dependent upon independent claim 270.

As to the new independent claim 270, please find support on the disclosure pages 1-38 and the explanation of the arrangement of fig. 15. The VIRTUAL SERVER, element 1500 of Fig. 15 is the third software element and at least two of the dynamic servers represent the first and the second software elements.

All dependent claims 240, 243, 246, 253, 256, 259, 262, 271, 274, 277 and 280 reciting content relationship please find support on pages 54-69 "**V) SATELLITE E-MALLS**" and the explanation of figs. 31d and 34a. The client computer of Fig. 31d is the third software element and the remote computer and VNRI are first and second software elements. The single content page of Fig. 34a is the third software element and the other two pages the first and second software elements. Fig 31d is a further embodiment of fig. 15. Fig. 15 illustrates contents' relationship over a network or the Internet and fig. 34a illustrates contents' relationship on a local area network or on a single computer.

A new independent claim 283 has been added and it is supported by the arrangement of Fig. 3 and Fig. 12 elements 1115, 1154 and 1113.

This document replaces the response that was mailed on July 22, 2006 in its entirety including amendments to the claims and amendments to the specification.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read 'J. Almeida', written over a horizontal line.

John Almeida

(510) 823-6114 (Phone)

APPLICANT

John Almeida

1947 Dwight Way #3

Berkeley, CA 94704